

2010 CATALOG

AMC

H.O.M.E. Automation Series

IA01a

Information Appliance

Digital H.O.M.E. System

an IA system received CES 2002 Innovation Award



GreenCare



HealthCare



Security



Entertainment

AMC



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Digital H.O.M.E. System

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H.O.M.E. Automation Series



AMC™

has made every effort to develop, design, and manufacture Information Appliance components that not only offer performance but complete solutions. Solutions that offer no built in obsolescence, but Information Appliance components that become a tool to a wonderful place of entertainment and enjoyment for you and your family, office, mobile and marine. Thus, your changing needs have inspired AMC to integrate Information Appliance components into your life's demands. Beginning with a simple one room Information Appliance system need, to Home Theater surround sound IA system to Architectural IA products that extend the features of a normal IA system for every room in the house, office, mobile or marine.

Building a high quality IA system with the best of each world is possible. Taking the system a step further and sending that favorite audio, video, control and communication signals into your bedroom from downstairs or into all offices from control center is no longer a dream.

AMC H.O.M.E. Automation Series illustrates our commitment to offer total system integration for IA components in your living and working environments.

AMC products, engineered in London/Los Angeles, offer every important detail possible while still maintaining a "value priced position." Our electrical, mechanical and acoustical/visual designs are clear examples of our ability to produce very high quality components at affordable prices. AMC believes quality in manufacturing must mean quality of audio, video, control and communication reproduction. Whether your entertainment needs are orchestral, the latest movie, TV games, computer games, or those from Internet, we believe our designs offer solutions capable of demonstrating a noticeable difference in audio, video, control and communication.

About AMC

A Brand Operated by End Users, Dealers, Reps, Sales Channels, Distributors, Reviewers, Professional people, Manufacturers and Developing people together:

It was a shift in direction within the Information Appliances (IA) industry that led to the formation of AMC IA product line. The manufacturers of IA equipment (particularly the rapidly expanding giant firms) were taking over all aspects of sales and distribution, causing the independent distributor and various sales channels to lose control of the market place. But there existed a group of IA enthusiasts who believe that, in the consumer/computer/communication/home appliance/security industry, the major marketing and sales input should come from the people who actually purchased the product together with the complete supplying chain.

They had revolutionary idea: to form a Brand operated by End Users, Dealers, Reps, Sales Channels, Distributors, Reviewers, Professional people, Manufacturers and Developing people together.

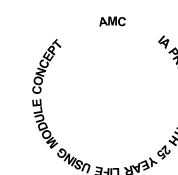
AMC brand name was generated by computer and started to be used in 1970 with the concept of generating Merit one step ahead of others (Advanced Merit Concept) for wiring city products started from components, computer accessories, machinery & home appliances (later, we call them H.O.M.E. Automation Series of products). In 1984, AMC started to develop and produce and generate a new category of product called H/E/C products. And AMC Graphic designer, Mike, designed a logo for the H/E/C products:



Products of H.O.M.E. Automation Series At 2000, the H/E/C product line was updated to IA product line in order to match the market trend of the 21st century.



Today, AMC products are sold and serviced in over 50 countries around the world for H.O.M.E. Automation products and more than 30 countries for IA products.



The basic philosophy of AMC products is "LIFE":
AMC IA Products with 25 Year Life using Module Concept.

For the 25 year of life, AMC Products will keep growing with Higher and Higher Value for the Money and keep improving on features, specifications, designs and reliability.

Digital H.O.M.E. System

GreenCare, HealthCare, Security, Entertainment

AMC Community System CS88i



AMC CS88i is a Community System special designed for up to 10,000 units of Community
AMC CS88i is a total IP-based Community System based on the AMC IA System received CES2002 Innovation Awards.

AMC CS88i is puts GreenCare, HealthCare, Security and Entertainments into your daily life as a complete thoughtful user friendly system.

AMC CS88i is a build to order system

AMC CS88i mainly including following key items

- XTP8i 8"Color Touch Panel Controller
- XVEi Commercial Video Entry System
- XVEAi Commercial Video Entry System with Access Control & 3.5" Touch Panel
- Lighting Controls - GreenCare
- Air Conditioner Controls - GreenCare
- Front Door Video Entry System (XVEi)

Door Bell

- Video/Audio visitor intercom
- Video/Audio messaging recording
- Video/Audio monitoring - as IP camera

Digital H.O.M.E. System

GreenCare, HealthCare, Security, Entertainment

AMC XTP8i

Color Touch Panel Controller

Features:

- WinCE6.0
- 64MB Flash ROM, 128MjB SDRAM
- 6 hard keys
- 8" color TFT-LCD VGA (640x480)
- RS485/RJ45,USB: v1.1 Client/Host
- CCD Camera Micron CMOS 2.0M pixels
- V2OIP Intercom
- 4 Watts stereo speakers
- Uni-directional microphone
- Optional sensor monitoring and control activate
- Optional contactless ID card reader
- Panel, wall mount or desk top placing
- Power: DC 12V/2A
- Water and dust sealing Ip54
- Dimension: 295x203x43 mm



AMC XTP8i as a Home Master Panel

- House mastered camera surveillance, record and play back
- Door phone access monitoring and recording
- Message leaving and taking with video and voice
- In house room to room intercom
- Intercom with gate keeper and public area panels
- Emergency alarm call out
- Set up door phone access card or PIN code
- Define anti threaten code
- Optional security sensor and appliance control scenario handling

AMC XTP8i as a Service Center Panel in community area

- Intercom with home master panel
- Intercom with public area panel, gate panel, door opening
- Broadcasting or delivering message to community houses
- Call forwarding or delivering message to community houses
- Call forwarding from public panel to home mater panel
- Define supervisor master card
- Define public area personal access card
- Define public area access allowed time period
- Define and setup all connected public area panels

Digital H.O.M.E. System

GreenCare, HealthCare, Security, Entertainment

AMC XVEAi

Commercial Video Entry System with Access Control & 3.45" Touch Panel

Features:

- User friendly interface via touch screen panel
- WinCE 5.0
- 64MB Flash ROM, 128MB SDRAM
- 17 hard keys
- V2OIP intercom
- IP Cam video surveillance
- Ethernet or wireless communication
- Door opening
- 3.45" color TFT-LCD QVGA(320x240)
- RS232/RS485/RJ45 with PoE,USB 1.1
- RFID: Mifare Reader(ISO 1443A)
- Contactless ID card reader or finger print reader
- Two relays (2A 30 VDC, 0.5A,250VAC)
- Digital inputs: two photo-couplers
- CCD Camera Micron CMOS 2.0M pixels
- 0.8W speaker, microphone
- Panel or wall mount
- Water and dust sealing Ip54
- Power: DC 12V/2A
- Optional UPS: 2 hours



AMC XVEi

Commercial Video Entry System

- Door bell
- Use Card to access
- Intercom
- Door access record keeping
- Near side area video surveillance
- Contactless ID card reader
- V2OIP intercom
- Door opening
- Panel mount
- Water and dust sealing Ip65
- WinCE 6.0
- 256MB Flash ROM, 128MB SDRAM
- Ethernet: one RJ45 port
- CCD Camera Micron CMOS 2.0M pixels



AMC XVEAi as a Lobby Gate or Public Area Panel

- Call home panels
- Call gate keeper panel
- Contactless ID card reader or finger print reader
- V2OIP Intercom
- IP Cam video surveillance
- Visitor's message leaving if no answer
- Use user card or PIN code to access public area
- Can restrict access by pre-defined time period

AMC XVDEAi as a Room Panel

- In house room to room intercom
- Call gate keeper
- Emergency alarm button
- Monitor all house masterd cameras
- Message leaving and taking

Digital H.O.M.E. System

GreenCare, HealthCare, Security, Entertainment

AMC RT1

Residential Terminal

RT1 includes software and GreenCare & Security Units

RT1 is for e-Building can cover over more than 1000 Residential Buildings.

RT1 received e-Building Award in Taiwan after installed in past 5 years for more than 10 buildings including one building with 588 families and the other with 788 families.

AMC XC&D

Controller & Data Storage

XC&D includes software and HealthCare & Security Units

Software of XC&D has been using for hospitals and revised to HealthCare and Security for family care purposes



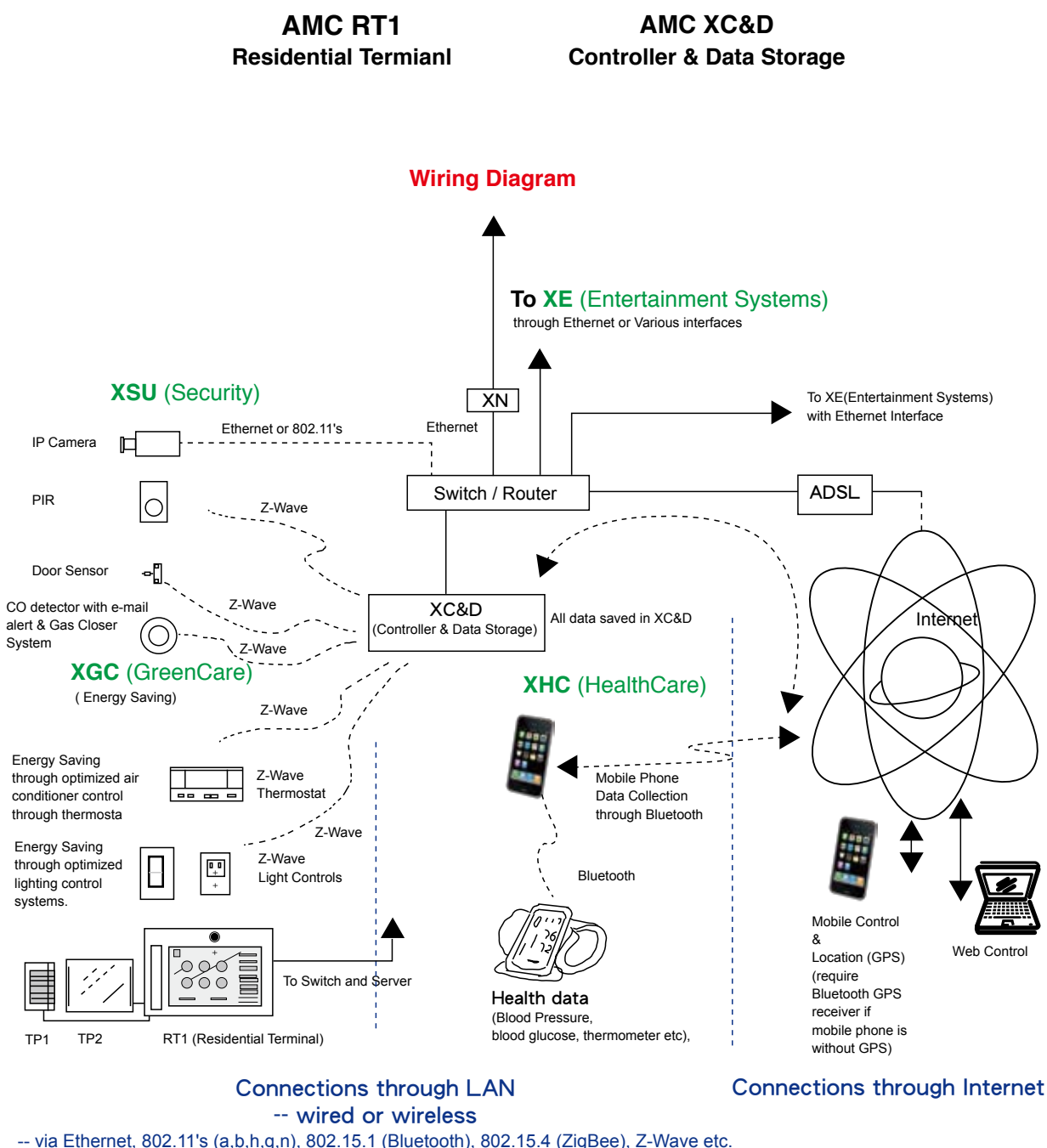
RT1



XC&D

Digital H.O.M.E. System

GreenCare, HealthCare, Security, Entertainment



Digital H.O.M.E Ststem

Entertainmen

XO 8 Zone 8 Source Digital H.O.M.E. System



- System for total 8 Zones
- With 8 Sources – 4 Global Sources & 4 Remote Local Sources
- Only RJ45 & Speaker Wires used for installations
- Two ways Digital Data Communication System between XO main unit and keypads in all zones
- Designed with cascade feature for keypad XK1
- Two All Zone Connectors for making installing XO like 123 in seconds
- Volume Control & Tone Control for each Zone
- Four 38KHz and four 56KHz IR outputs
- Doorbell and telephone mute system (PDM1)
- With RS232 to digital link with other systems including lighting controls like Lutron system with RS232 interface
- IR remote control receiver on each zone for controlling XO main unit and Local Sources in other zones
- RCA, 3.5mm mini jack and RJ45 Remote Local Source input jacks in each Zone

Total Zones.....	8 Zones
Zone 1~4 with Speaker Outputs.....	15Wrms x 2
Zone 5~8 with Stereo Audio Signal Outputs Output Level.....	1.1 Vrms
Volume Control.....	with Pre-out VC/NVC switch for each Zone
Controls for each Zone.....	Volume and Tone Controls
Sources.....	4 Global Sources & 4 Remote Source
Sensitivity.....	60mV
IR outputs frequencies.....	four 38KHz and four 56KHz
IR output level.....	5V p-p
Phone input sensitivity.....	AC25V~AC100V 20Hz
Doorbell input sensitivity.....	AC/DC 3~12V
Dimensions (W x H x D).....	430 x 53.3 x 338.5mm
Net weight.....	6 Kgs

XK1



Keypad for AMC - XO

XOi 4 Zone 4 Local / 4 Remote Mixed Source Digital H.O.M.E. System



- System for total 4 zones
- System with 8 Sources 4 Local / 4 Remote mixed sources
- Only RJ45 & speaker wires used for installation from XOi main unit to all zones
- Two ways AMC proprietary digital data communication system between XOi main unit and keypads in all zone
- Designed with cascade feature for keypad XK1
- Volume control & tone control for each zone
- Four 38KHz and four 56KHz IR outputs on rear panel of XOi main unit Doorbell and telephone mute system (PDM1) - option
- With RS232 to digital link with other systems - option
- IR remote control receiver on each zone for controlling XOi main unit and remote sources in the zones
- RCA, 3.5mm mini jack and RJ45 remote source input jacks in each zone
- AMC XOi will come with 4 AMC XK1 Keypad
- AMC XS1 Keypad is optional

Total Zones.....	4 Zones
Zone 1~4 with Speaker Outputs.....	15Wrms x 2
Sources.....	4 Local / 4 Remote Mixed Sources
Sensitivity.....	60mV
IR outputs frequencies.....	four 38KHz and four 56KHz
IR output level.....	5V p-p
Phone input sensitivity.....	AC25V~AC100V 20Hz
Doorbell input sensitivity.....	AC/DC 3~12V
Dimensions (W x H x D).....	430 x 53.3 x 338.5mm
Net weight.....	5.0Kgs



Remote Source -
2RCA Balanced to Unbalanced RCA Input,
1, 3.5 Mini-Jack, 1 IR Output & 1 Cat 5 (IR)
Keypad for AMC - XO

Digital H.O.M.E. System Entertainment

X86 / X86i 6 Zone Control Center



- System for total 6 Zones
- System with 14 Sources - 8 Local/6 Remote Sources.
- Only RJ45 & Speaker Wires used for installations from X86 main unit to all zones
- Two ways AMC proprietary Digital Data Communication System between X86 main unit and keypads in all zones
- Volume Control & Tone Control for each Zone
- Six 38KHz and six 56KHz IR outputs on rear panel of X86 main unit
- Doorbell and telephone mute system (PDM1)- option
- With RS232 to digital link with other systems - option
- IR remote control receiver on each zone for controlling X86 main unit and Remote Sources in other zones
- RCA, 3.5mm mini jack and RJ45 Remote Source input jacks in each Zone
- Power of each channel/zone: 30W x2 Digital Amplifiers for each Zone
- Options: xk1, xs1, pdm1 (numbers of XK1, XS1, PDM1 required based on each installation designs)

Total Zones.....6 Zones
Zone 1-6 with Speaker Outputs.....30W rms x 2
Sources.....8 Local / 6 Remote Sources
Sensitivity.....60mV
IR outputs frequencies.....Six 38KHz and six 56KHz
IR output level.....5V p-p
Phone input sensitivity.....AC25V~AC100V 20Hz
Doorbell input sensitivity.....AC/DC 3~12V
Dimensions(WxHxD).....432x147x381mm
Net weight.....10.8Kgs

DR-X84T Din Rail Panel



- System for total 4 Zones
- System with 12 Sources - 8 Local/4 Remote Sources.
- Only RJ45 & Speaker Wires used for installations from DR-X84T main unit to all zones
- Two ways AMC proprietary Digital Data Communication System between DR-X84T main unit and keypads in all zones
- Volume Control & Tone Control for each Zone
- Four 38KHz and four 56KHz IR outputs on rear panel of DR-X84T main unit
- Doorbell and telephone mute system (PDM1)- option
- With RS232 to digital link with other systems - option
- IR remote control receiver on each zone for controlling DR-X84T main unit and Remote Sources in other zones
- RCA, 3.5mm mini jack and RJ45 Remote Source input jacks in each Zone
- Power of each channel/zone: 40W x2 Digital Amplifiers for each Zone
- Option: XK1, XS1, PDM1 (numbers of XK1, XS1, PDM1 required based on each installation designs)

Total Zone.....4Zone
Zone 1-4 with Preamplifier Outputs.....Var or Fix
Sources.....8 Local/4 Remote Sources
Sensitivity.....60mV
IR outputs frequencies.....Four 38 KHz Four six 56KHz
IR output level.....5V p-p
Phone input sensitivity.....AC25V~AC100V 20Hz
Doorbell input sensitivity.....AC/DC 3~12V
Dimensions(WxHxD).....432x147x381mm

Digital H.O.M.E. System Entertainment

Per Amplifier

XP / XPi State Stereo Preamplifier



Choices between 1U Rack mountable(XP)or (Xpi)
Auto Power On/Off by Audio Signals,3-30V AC/DC
Triggers or constant with 12V trigger output

Input sensitivity 1KHz(ref.1V).....170 mV
THD+SMPTE+IHF I.M.....<0.003%
Frequency response 20Hz-20KHz.....+/-0.3dB
Signal to noise ratio*A*WTD(ref.0.5V).....>97dB
Maximum output level -Pre Out.....>8.5V
Maximum output level -Phonoes(80hm load).....>250mV
Maximum output level -Phonoes(open circuit).....>9V
Dimensions(WxHxD)
XP (Rack Mount).....579x82(1U)x288mm
XPi (without Rack Mount).....430x82(1U)x288mm
Net weight.....4.2Kg

PRO7 H/E/C Control Center



PRO7 surround channel delay uses Dolby "Time Link"technology.
Five stereo Audio inputs.
Two recording outputs.
Six pre-amp Audio outputs
Three power amp speaker binding post outputs.

Preamp section
Frequency response xover sw off 20Hz-20KHz.....+0.5-0.2dB
-3dB.....<10Hz~>100KHz
Aux.Receiver input.....-88dB
Dolby Pro Logic section
Out power clipping (channels driven individually,0.5% THD+N,1KHz)
Center 8 ohm load.....50W
4 ohm load.....58W
2 ohm load.....70W
Surround 8 ohm load x 2.....58W
4 ohm load x 2.....70W
Noise (re 0.2 volt input, 0.15 volt output as 0dB volume, A-wtd)
Left, right.....-77dB
Center.....-75dB
Surround.....-65dB
Frequency response (xover sw off)
Left, right 20Hz-20KHz.....-2/-0.3dB
Center 20Hz-20KHz.....-2/-0.3dB
Surround 60H-7.5KHz.....-2.5/-3dB
Channel separation (100Hz - 7KHz,oppositing channels driven individually)
Worst case.....>37dB
Dimention (WxHxD).....430x82x330mm
Net weight.....6.4Kgs

CVT1030as Valve Preamplifier



Class "A",2-Channel Audio (with Balanced Inout and Tube Sockets)
MODULE AVAILABLE FOR UPGRADE:
MD1403 - Balanced Output Module for CVT1030
Mod-1030a - Standard CVT1030 series socket upgrade
With inputs stages for Phono,Tape, DAT, CD, Tuner, Video and Aux.
Bass and Breble tone controls.

Input Sensitivity for 1 volt output
High level inputs.....150mV
Phono input.....2.3mV
Rated THD.....0.03%
Input impedance
High level inputs.....20K Ohms/100pF
Phono input.....47K Ohms/100pF
Output impedance.....<200 ohm
Frequency response Normal 20Hz-20KHz.....+/-1.0dB
Signal to noise ratio (ref.1volt)
High level inputs "A" WTD.....96dB
Dimensions (WxHxD).....430x112x288mm

AV81c Solid State Preamplifire



Remote controlled audio/video preamplifier offering 4 audio and 4 A/V inputs. Full recording capability for both audio and video sources. Each composite video input offers buffered video output ensuring high quality video signal paths to remote monitors and VCRs.

AUDIO INPUTS (CD, TUNER, TAPE1, TAPE2, VCR1, VCR2, LD&VIDEO) and OUTPUTS

Input Impedance.....R=5MEG, C=100pF
THD 20Hz-20KHz and SMPTE IMD.....<0.01% at 3Vrms
Inputs Sensitivity for 1V output.....150mV
Input Overload.....3.5 Vrms
Signal to Noise Ratio (Gain=1).....95dB "A" wtd ref. 1V
Frequency Response (20Hz-20KHz).....+/-0.5dB
Output Impedance.....75 ohm
Dimension (WxHxD).....430x82x300mm
Net Weight.....5Kg

Digital H.O.M.E. System Entertainment

Power Amplifier

2100 Stereo Power Amplifier



A huge toroidal transformer is used in the power supply which delivers massive amount of power into low impedance loads from virtually all speakers.

Featuring 100W output into 8 ohm, and 500W dynamic power when bridged, it can drive virtually almost all types of speaker systems and offer best possible sound quality.

Bridge Mode

Rated power into 8 ohm (IHF).....	250W
Rated THD 20Hz-20KHz.....	0.03%
Clipping power into 8 ohm.....	>300W
Dynamic power into 8 ohm (IHF).....	500W

2 Channel Mode

Rated power into 8 ohm (IHF).....	100W
Rated THD 20Hz-20KHz.....	0.03%
Input sensitivity for 1W/Rated power into 8 ohm.....	100mV/150pF
Input impedance.....	22K-ohm/150pF
Frequency response 20Hz-20KHz.....	+/-0.2dB
Signal to noise ratio*A*WTD.....	100dB
Separation 20Hz-20KHz.....	>80dB
Dimensions (WxHxD).....	430x112x288mm
Net weight.....	9.4Kg

25100a 5 Channel Power Amplifier



Each input has an accompanying line output RCA jack which will by-pass the signal onto another amplifier input or other line-level device for Bi-Amp installation.

Each output of the amplifier is powered by an independent "Power Moduletm.

Rated power into 8 ohm (IHF).....	100W
Rated THD 20Hz-20KHz.....	0.03%
Inputs Sensitivity for 100W output power into 8 ohm.....	1Vrms
Input impedance.....	22K ohm/150pF
Signal to Noise Ratio*A*WTD (ref. 1W/8ohm)	>100dB
Frequency Response (20Hz-20KHz).....	+/-0.3dB
-3dB.....	<5Hz/>110KHz
Dimension (WxHxD).....	432x152x330mm
Net Weight.....	16.3Kg

2N100-2/-3-5 2/3/5 Channel Power Amplifier



The 2N100 amplifiers are capable of delivering massive amounts of power into low impedance loads exhibited by virtually all modern loudspeakers.

The Power Module (tm), design utilizes high current output devices in conjunction with a commutating, or dual voltage power supply and oversized toroidal transformer that in combination, delivers

Rated Power into 8 ohm (IHF).....	150W
Rated THD 2Hz-20KHz.....	<0.03%
Dynamic Power into 8 ohm.....	255W
S/N Ratio for 1W/8 ohm.....	>100dB
Frequency Response 20Hz-20KHz.....	+/-0.3dB
-3dB.....	4Hz/75KHz
Input Impedance.....	22K ohm/150pF

Dimension (WxDxH)

2N100-2/-3.....	430x250x112mm
2N100-5.....	432x330x152mm

Net weight

2N100-2/-3.....	12.3Kg
2N100-5.....	18.6Kg

CVT2030as CCVT Stereo Power Amplifier



MODULES AVAILABLE FOR UPGRADE:

AMC MD2102 - Balanced Bridging Input Module
AMC MD2103 - Balance Stereo Input Module for
AMC Mod-2030(a)s - Standard CVT2030 Series Socket Upgrade

Power output into 8/4 ohms.....	30W
Rated THD 45Hz-20KHz.....	1.0%
Input sensitivity for 1W/30W into 8 ohms.....	230mV/1250mV
Input impedance.....	500K Ohms/470pF
Frequency response 20Hz-20KHz.....	+/-0.5dB
-3dB.....	10Hz/80KHz
Signal to noise ratio (ref. 1W/8 ohm) *A*WTD.....	95dB
Separation 20Hz-20KHz.....	>65dB
Dimension (WxHxD).....	430x112x288mm
Net weight.....	13Kg

Digital H.O.M.E. System Entertainment

CVT2100as CCVT Stereo Power Amplifier



- This is a hybrid mosfet valve design, capable of giving superb sound reproduction.
- Modules available for upgrade:
MD2102- Balanced Bridging Input Module
MD2103- Balance Stereo Input Module
MD-2100as-Standard socket upgrade

Power output into 8/4 ohms

With both channels drive.....	80W
With balanced bridged input module.....	160W
Rated THD 45Hz-20KHz.....	1.0%
Input impedance.....	500K ohms/470pF
Frequency response 20Hz-20KHz.....	+/-0.5dB
-3dB.....	10Hz/80KHz
Signal to noise ratio *A*WTD (ref. 1W/8 ohm).....	95dB
Separation 20Hz-20KHz.....	>65dB

XG 16 Channel Power Amplifier



- Designed with IR output as interface from outside to XG internal microprocessor
- Designed with IR output for cascade IR signal path
- Design with RS232 interface in order to link XG to Ethernet System through USB or Ethernet Adapter
- Designed with Auto turning on/off feature controlled Audio signal or 3-30V AC/DC Voltage

Bridge Mode

Power output into 8 ohm (20Hz-20KHz).....	100W
Rated THD	0.05%
Damping factor.....	>100
Input sensitivity for 1W/100W into 8 ohm.....	110mV/1.1V

2 Channel Mode

Power Output into 4 ohms (20Hz-20KHz).....	50W
With all channels driven	
Rated THD.....	0.05%
Damping factor.....	>100
Input sensitivity for 1W/50W into 4 ohm.....	100mV/700mV
Input impedance.....	R=10K C=200pF
Frequency response 20Hz-20KHz.....	+/-0.5dB
Dimension (WxHxD).....	432x147x294mm
Net weight.....	10.5Kg

XA/XAi 2/4 Channel Power Amplifier



- With RS232 (USB or Ethernet)
- Designed with 12V DC Trigger Output
- It can be BI-WIRED to 4-CHANNEL mode for high quality sound reproduction, bridged for operation as a 2-CHANNEL stereo amplifier, or used as a multi-room distribution amplifier

Bridge Mode

Power output into 8 ohm (20Hz-20KHz).....	90W
With both channels driven	
Rated THD.....	0.05%
Damping factor.....	>100
Input sensitivity for 1W/90W into 8 ohm.....	110mV/1000mV

2 Channel Mode

Power Output into 4 ohms(20Hz-20KHz).....	45W
With all channels driven	
Rated THD.....	0.05%
Damping factor.....	>100
Input sensitivity for 1W/90W into 8 ohm.....	100mV/680mV
Input impedance.....	R=10K C=200pF
Frequency response 20Hz-20KHz.....	+/-0.5dB
Dimension(WxHxD).....	482.6x53.3x284.7mm
Net weight.....	4.3Kg

DR-2840 Din Rail Amplifier



- System for total 4 Zones
- System with 12 Sources - 8 Local/4 Remote Source
- All amplifiers are working in same clock frequency and hence minimizing intermodulation products
- Designed for Din rail applications

Output power ref.to 4 ohm(20Hz-20KHz).....	>40W
With both channels driven	
THD(rated power).....	<0.8%
Damping factor.....	~40
Input sensitivity for 1W/40W into 4ohm.....	To be advised
Frequency response 20Hz-20KHz.....	+/-0.8dB
A WTD. Singal to noise ratio(ref. 1W/8 ohm).....	To be advised later
Dimension (WxHxD).....	482.6x53.3x284.7 mm

Digital H.O.M.E. System

Entertainment

Integrated Amplifier

306d Stereo Integrated Amplifier



- Unique phono stage design that employs two audiophile grade op-amps per channel that provide very low THD, TIM and noise, together with switchable MM/MC sensitivities.
- The ADC/microprocessor type of remote rotary control will make it possible to do any number of inputs in the future as required.

Rated Power into 8/4 ohms.....	30/30W
Rated THD 20Hz-20KHz.....	0.05%
Input sensitivity for 1W/Rated Power	
High level inputs.....	23mV/150mV
Phono input MM.....	0.5mV/2.7mV
MC.....	0.05mV/0.27mV
Input impedance	
High level inputs.....	20K Ohms
Phono input MM/MC.....	47K ohms/100pF
Frequency response	
Normal 20Hz-20KHz.....	+/-1.0dB
Signal to noise ratio*A*WTD (ref.1W/8ohm)	
High level inputs.....	88dB
Separation 20Hz-20KHz.....	>65dB

3100a Stereo Integrated Amplifier



- The high overload tone control stage can be completely by passed with the DIRECT switch to give natural sound quality.
- Power amplifiers with 30 Amp high peak output current devices to offer capabilities to drive almost all types of speaker systems.
- With universal power transformer passing all international safety standards end users can use the unit in all countries by rewiring the voltage links inside the unit by authorized distributors or dealers
- Toridal power transformer with thermal protection switch.

Rated Power into 8 ohm.....	100W
Rated THD 20Hz-20KHz.....	0.03%
Inputs Sensitivity for 1V Rated Power into 8 ohms	
High level inputs.....	15mV/200mV
Input impedance	
high level inputs.....	20K ohms
Frequency Response (20Hz-20KHz).....	+/-0.5dB
Signal to noise ratio (ref.1W/8ohms):	
High level inputs *A*WTD.....	85dB
Separation 20Hz-20KHz.....	75dB
Dimension (WxHxD).....	430x112x288mm
Net Weight.....	10.8Kg

XIA Stereo Integrated Amplifier



- Unique phono stage design that emplys two audiophile grade op-amps per channel that provide very low THD, TIM and noise, together with switchable MM/MC sensitivities.
- USB digital streaming system offering CD quality audio reproduction from

Rated Power into 8/4 ohms.....	45/60W
Rated THD 20Hz-20KHz.....	0.05%
Input sensitivity for 1W/Rated Power:	
High level inputs.....	23mV/150mV
Phono input MM.....	0.5mV/2.7mV
MC.....	0.05mV/0.27mV
Input impedance	
High level inputs.....	20K ohms
Phono input MM/MC.....	47K ohms/100pF
Frequency response	
Normal 20Hz-20KHz.....	+/-1.0dB
Signal to noise ratio*A*WTD (ref.1W/8ohm)	
High level inputs.....	88dB
Separation 20Hz-20KHz.....	>65dB
Dimension (WxHxD).....	430x82x288mm

3150a Stereo Integrated Amplifier



- The high overload tone control stage can be completely by passed with the DIRECT switch to give natural sound quality.
- Power amplifiers with 30 Amp high peak output current devices to offer capabilities to drive almost all types of speaker systems.
- With universal power transformer passing all international safety standards end users can use the unit in all countries by rewiring the voltage links inside the unit by authorized distributors or dealers
- Toridal power transformer with thermal protection switch.

Rated Power into 8 ohm.....	150W
Rated THD 20Hz-20KHz.....	0.03%
Inputs Sensitivity for 1V Rated Power into 8 ohms	
High level inputs.....	15mV/200mV
Input impedance	
High level inputs.....	20K ohm
Frequency Response (20Hz-20KHz).....	+/-0.5dB
Signal to noise ratio (ref.1W/8ohms):	
High level inputs *A*WTD.....	85dB
Separation 20Hz-20KHz.....	75dB
Dimension (WxHxD).....	430x112x288mm
Net Weight.....	12.2Kg

Digital H.O.M.E. System

Entertainment

CVT3030as CCVT Integrated Amplifier



The CVT3030as features 4EL34 valves, 3 massive transformers, 2 silent fans, gold plated inputs for Phono, Tape, DAT, CD, Tuner, video, AUX, large high quality gold plated speaker binding posts, and all housed in a substantial metal chassis, weighing almost 12 Kgs.

Power output into 4 & 8 ohms.....	30w/p/c
THD 45Hz-20KHz.....	1%
Frequency response	
Normal 20Hz-20KHz.....	+/-1.0dB
Impedance high level inputs.....	R=20K ohms C=100pF
Phone inputs.....	R=47K Ohms C=100pF
Input sensitivity	
high level inputs.....	180mV
S/N ratio 1W/8 ohms (DAT input).....	80dB
(Phono input).....	79dB
Separation 20Hz-20KHz.....	>50dB
Dimensions.....	430x112x250mm
Net weight.....	11.8Kg

CVT3030MKII CCVT Integrated Amplifier



The CVT3030MKII features 4EL34 valves, 3 massive transformers, 2 silent fans, gold plated inputs for Phono, Tape, DAT, CD, Tuner, video, AUX, large high quality gold plated speaker binding posts, and all housed in a substantial metal chassis, weighing almost 12 Kgs.

Power output into 4 & 8 ohms.....	30w/p/c
THD 45Hz-20KHz.....	1%
Frequency response:	
Normal 20Hz-20KHz.....	+/-1.0dB
Impedance high level inputs.....	R=20K ohms C=100pF
Phone inputs.....	R=47K Ohms C=100pF
Input sensitivity	
high level inputs.....	180mV
S/N ratio 1W/8 ohms (DAT input).....	80dB
(Phono input).....	79dB
Separation 20Hz-20KHz.....	>50dB
Dimensions.....	430x112x250mm

Receiver

X7i Stereo Receiver



- System remote control handset (RC-S2) control both X7i and
- AMC CD Player XCDi
- 5 Audio input & 2 Output (including Tuner & Phono)
- 100W x 2
- Tone Direct

Amplifier section	
Power output, stereo mode, THD 0.08%, 20Hz-20KHz.....	2x100W
Input sensitivity, 47K	Phono (MM)..... 2.5mV
	Line (CD, TAPE, AUX)..... 200mV
Signal to noise ratio, IHF *A*WTD	Phono (MM)..... 65dB
	Line (CD, TAPE, AUX)..... 93dB
Bass/Treble contro, 100Hz/10KHz.....	10dB

FM Tuner section	
Tuning frequency range.....	87.5-108MHz
Signal to noise ratio, 65dB	
Mono/Stereo.....	68/65dB
Frequency response, 14KHz-20KHz.....	3dB
Stereo separation, 1KHz.....	40dB
IF rejection ratio.....	80dB

AM Section	
Tuning frequency range.....	520-1710KHz or 522-1611KHz
Usable sensitivity.....	800 V/m
Signal to noise ratio.....	40dB
Selectivity.....	25dB
Dimension.....	433x146.9x373mm
weight.....	9 Kgs

Digital H.O.M.E. System

Entertainment

Source

XT Stereo Tuner



- Quartz referenced phase locked loop (PLL) circuitry assures precise tuning.
- A total of 30 AM and FM stations in any combination may be stored for Recall.
- Built-in RDS function: Provides automatic reception and display of data provided by stations utilizing the Radio Data System (RDS) in their

FMTUNERSECTION

Input Sensitivity	
MONO30dBTHD+N/ MONO50dB/S/N.....	1.3dBf (1.0uV/75ohm)
MONO50dB S/N.....	15dBf (1.5uV/75ohm)
STEREO50dB S/N.....	37dBf (20uV/75ohm)
STEREO60dB S/N.....	47dBf (60uV/75ohm)
CaptureRatio (45and65dBf).....	<1.5dB
AM Rejection (45and65dBf).....	>60dB
IF Rejection.....	90dB
S/n ratio (at 65dNf, 1HF weighted) Mono.....	>78dB
Stereo.....	>74dB
Frequency Response 30Hz-15kHz.....	+/-0.5dB
StereoSeparation 1kHz.....	50dB
30Hz-10kHz.....	35dB

AM TUNERSECTION

UseableSensitivity.....	10uV
Selectivity.....	30dB
IF Rejection.....	35dB
S/N ratio (30% modulation, 50mVinput).....	45dB
THD.....	0.5%
Dimensions (WxHxD).....	430 x 82 x 300mm
Net weight.....	5.8Kg

XCD CD/MP3 Player



- Advanced segment
- 24 bit/192KHz DAC architecture
- optional DVD AND USB digital inputs

Audio output (Ref. 1KHz/0dB,unless otherwise stated) :

Disc capacity.....	Single disc, 120 or 80mm
Digital filter.....	8X over-sampling at up to 24Bit/192KHz sampling rate
Analog filter.....	5-pole active
Frequency response 5Hz-20KHz.....	<+/-0.2dB
Channel separation (20Hz-20KHz).....	>100dB
S/N ratio (A-weighted,measured with all zeros test disc).....	120dB
THD (at 0dB,1KHz,A-weighted).....	0.0011% (-99.17dB)
Output level at 0dB.....	2.2Vrms
Linearity.....	+/-0.5dB;0 to -100dB

S/PDIF Digital output:

digital out level.....	0.5Vpp
Peak emission wave length.....	660 nm
Dimension (WxHxD).....	430x82x300 mm
Net weight.....	6.5Kg

XCDi CD Player



- The AMC model XCDi was designed to palay standard non-compress PCM Compact Disc (here after we will call it "CD").
- EIA calibrated audio outputs ensure proper match with preamplifiers and receivers.
- Full-function infrared (IR) System Remote Control (for system including XCDi

AUDIO OUTPUT (Ref. 1KHz/0dB, unless otherwise stated):

Disc capacity.....	Single disc, 120 or 80mm
Frequency response 20Hz-20KHz.....	<+/-0.3 dB
Linearity.....	+/-0.5 dB; 0 to -90 dB
Channel separation (20Hz to 20KHz).....	>85 dB
S/N ratio (A-weighted, measured with all zeros test disc).....	110 dB
Dynamic range.....	95 dB
THD (at 0dB, 1KHz, A-weighted).....	0.005%
Output level at 0dB.....	2 Vrms
Wow and flutter.....	Immeasurable (Quartz crystal accuracy)

OPTICAL DIGITAL OUTPUT:

Digital output level.....	-15~-20dBm
Laser.....	Semiconductor AlGaAs
Peak emission wave length.....	660 nm
Dimensions (W x H x D).....	430x98x291mm
Net weight.....	5.0 Kgs

CD6d CD/MP3 Player



- The AMC CD6dprovides an accurately calibrated output level in accor-dance with the EIA (Electronic Industries Association recommended standard of 2 volts. This output levelprovides the best possible perfor-mance particularly for home theater users)
- The AMC CD6d-5404as is designed with balanced MASH "one-bit" high resolution digitalto analogue converter module and advanced AMC Canalogue filter module.

AUDIO OUTPUT (Ref. 1KHz/0dB, unless otherwise stated)

Disc capacity Single disc.....	120 or 80mm
Digital filter.....	8X over-sampling at a 96KHz samplingrate
Analogue filter.....	5-Pole active
Frequency response(5Hz-20KHz).....	<+/-0.3 dB
De-Emphasis error.....	<+/-0.3 dB
Linearity.....	+/-0.5 dB; 0 to -90 dB
Channel separation (20Hz to 20KHz).....	>100 dB
Channel imbalance.....	<+/-0.1 dB
S/N ratio (A-weighted).....	107 dB
Dynamic range.....	>100 dB
THD (at 0dB, 1KHz,A-weighted).....	0.0012% (-98.4 dB)
Inter-modulation distortion (19 & 20 Khz).....	<-100 dB
Output impedance.....	120 ohm
Digital error correction.....	CIRC with double error correction in C1 and C2

S/PDIF DIGITAL OUTPUT (BNC Digital Output)

Level.....	0.5 Vpp
Peak emission wavelength.....	660 nm
Wavelength.....	780 nm
Dimensions (W xH x D).....	430x82x300 mm
Net weight.....	6.5 Kgs

Digital H.O.M.E. System

Entertainment

AMC

US24192/US24192vt 24/192 Upsampling DAC



DAC9 Digital to Analog Converter



- Double sided, through hole plated, Printed Circuit Board DAC sections.
- The AMC model DAC9 provides 2 electable S/PDIF input, one coaxial and one fiber optic.
- The DAC9 can automatically lock to either 32KHz, 44.1KHz or 48HKz digital sampling rates for use with laser disc players, CD,s or DAT machines.
- The For those users with digital recording capabilities, the DAC9 has a digital output for connection to DAT, MD or DCC type machines, thus maintaining the ultimate in recording quality.
- The AMC DAC9 provides an accurately calibrated output level in accordance with the EIA (Electronic Industries Association) Recommended standard of 2 volts.
- The DAC9 can be easily upgreaded with MD5404u1 that provides your system with soft and smooth vacuum tube sound. (To upgrade with MD5404u1, please contact with AMC distributor/Dealers in your country for more information.)

THD and SMPTEIMD @ 1 kHz/0dB.....	0.005%"A"-wtd
Signal to Noise Ratio.....	104db"A"-wtd
Output Level.....	2 Vrms
Frequency Responses 20Hz - 20 kHz.....	<+/-0.5dB
Channel Separation ref. 1 kHz.....	>90dB
Channel Unbalance.....	+/- 0.3dB
Resolution.....	18bit
Output Impedance.....	220ohm
Linearity up to -90dB.....	+/-0.5dB
Wow and flutter.....	Quartz control precision
Input automatically locked to 32k, 44.1k and 48kHz SPDIF digital signals.	
Dimensions (WxHxD).....	430x82x300mm

SPECIFICATIONS

DIGITAL INPUT SECTION

S/PDIF input	
Standard compatible.....	AES3/IEC60958/EIAJ Cp1201
Input Word Length.....	up to 24-Bit
Input Sampling Frequency.....	up to 192KHz
Optical input	
Format.....	Toslink or Equivalent
Numerical aperture.....	0.456
Wavelength.....	780nm
Light input power.....	3mW
USB input	
Compatibility.....	USB Version 1.1 and USB Audio Class Spec. 1.0
Data rate.....	12Mb/s

DAC OUTPUT SECTION

Audio output(Ref.1KHz/0dB,unless otherwise stated):	
Digital to analogue conversion Burr-Brown Advanced segment DAC architecture	
Digital filter.....	8X over-sampling at up to 24-Bit/192KHz sampling rate (Stop band attenuation:-82dB,pass-band ripple:+/-0.002dB)
Analogue filter.....	5-Pole active
Frequency response 5Hz-20KHz.....	>+/-2 dB
Linearity.....	+/-0.5 dB;0to -100 dB
Channel separation (20Hz to 20KHz).....	>100dB
Channel imbalance.....	<+/-0.1 dB
S/N ratio (A-wtd measured with all zeros test disc).....	113dB
Dynamic range.....	>102dB
THD+ Noise (at 0dB,1KHz,A-weighted).....	0.0011%(-99.17dB)
Inter-modulation distortion (19&20KHz).....	>100dB
Output impedance.....	120 ohm
Output level at 0dB.....	2.2Vrms
Wow and flutter.....	Immeasurable (Quartz crystal accuracy)

Digital H.O.M.E. System Entertainment

Speaker

B1-19d Powered Subwoofer B1-30d

Frequency Response.....30-180Hz
Adjustable.....40 to 180Hz
Sensitivity.....89dB
Continuous power...100W@100Hz,4 ohm, 0.1%THD
Dynamic Power.....150W (21.8dB)
THD @rated power.....0.008%
S/N @rated power.....100dB
Phase.....0 to 180 adjustable
LPF.....40Hz to 180Hz adjustable
Woofers.....8" injection polypropylene cone
Internal volume.....19 liter
Design type.....Bass reflex-front port x1
Dimension (WxHxD).....254x387x280mm
Net weight.....15Kg



Frequency Response.....30-180Hz
Adjustable.....40 to 180Hz
Sensitivity.....89dB
Continuous power...150W@100Hz,4 ohm, 0.1%THD
Dynamic power.....250W (24dB)
THD @rated power.....0.008%
S/N @rated power.....100dB
Phase.....0 to 180 adjustable
LPF.....40Hz to 180Hz adjustable
Woofers.....10" injection polypropylene cone
Internal volume.....30 liter
Design type.....Bass reflex-front port x2
Dimension (WxHxD).....305x420x470mm
Net weight.....20Kg



The B1-19 and B1-30 from AMC are powered subwoofers designed to enhance the excitement and realism of the home theater experience.

Both models share the same design concepts which feature high-current discrete amplifiers and long-throw polypropylene drivers. Employing an 8" driver and 100 watts amplifier, the B1-19 is optimized for small to moderate size rooms while the B1-30, with a 10" driver and 150 watts amplifier is optimized for larger rooms.

Both models will extend the response of typical speaker systems to include the critical low frequency effects which are necessary to ensure realism and increased excitement.

The sophisticated amplifier design of the B1-19 and B1-30 features dynamic soft-clipping circuitry, which guards against overload distortions. In addition, continuously in conjunction with variable phase adjustment result in seamless integrations with other speakers in the system and provides maximum flexibility in placement of the subwoofer within the room.

iM04 Studio Monitor Speakers & Architectural Multi-zone Speakers iM05

Type: 2 way studio reference
LF Driver: 4 inch dia,magnetically-Shielded with curved cone, high temperature voice coil and Cellulose impregnated fabric roll surround
HF Driver: 1 inch dia,magnetically-shielded with specially shaped Mylar dome
Frequency response : 70Hz-20KHz
Crossover frequencies: 2.6KHz
RMS SPL : 101.5dB@1 meter
Dynamic Rang: >95dB
S/N Ratio : >90dB (typical,A-weighted)
Input connector: left and right RCA line input connectors,Left and Right TRS balanced/unbalanced input connectors
Dynamic Power: 18 W/4 ohms with 2 channels connected
Input impedance: 20K Ohms balanced, 10K Ohms unbalanced
Input sensitivity: 100mV pink noise input produces 90dBA output SPL at 1 meter with volume control at maximum
Protection: RF interference,output current limiting, over temperature, turn on/off transient, subsonic filter
Dimension (HxWxD) : 218x145x167mm



Type: 2 way studio reference
Cabinet: vinyl-laminated high acoustic efficiency MDF
LF Driver: 5 inch cone with high temperature voice coil and damped rubber surround
HF Driver: Specially developed dome with magnetic shielding
Frequency response : 56Hz-22KHz
Crossover frequencies: 3KHz
S/N Ratio : >100dB (typical,A-weighted)
Input connector: 1x XLR balanced input connector 1x TRS balanced/unbalanced input connector
HF Amplifier Power: 30 W
LF Amplifier Power: 40W
Input impedance : 20K ohms balanced, 10K ohms unbalanced
Input sensitivity: 85mV pink noise input produces 90dBA output SPL at 1 meter with volume control at maximum
Protection: RF interference,output current limiting, over temperature, turn on/off transient, subsonic filter
Indicator: Blue power on/off indicator on front panel
Dimension (HxWxD) : 218x145x167mm



Digital H.O.M.E. System Entertainment

Architectural in wall speaker system

WM75a 6 1/2" 2-way system

Woofers.....6 1/2" PP injection cone w/rubber edge
1" voice coil,10oz magnet
Tweeter.....1" swiveling dome
Impedance.....8 ohms
Nominal power.....40W
Maximum power.....80W
Sensitivity.....84dB,1w/1m
Frequency response.....45Hz-20KHz
Dimension.....216x300x76 mm
Net weight.....1.6Kg
Crossover.....6dB/octave



WM100a 8" 2-way system

Woofers.....8 PP injection cone w/rubber edge
1" voice coil,12oz magnet
Tweeter.....1" swiveling dome
Impedance.....8 ohms
Nominal power.....50W
Maximum power.....80W
Sensitivity.....85dB,1w/1m
Frequency response.....35Hz-20KHz
Dimension.....254x356x95 mm
Net weight.....1.96Kg
Crossover.....6dB/octave



WM75C/WM75C1 6 1/2" 2-way system

2 Way Wall Mount Speaker
Woofers: 6 1/2" PP cone W/Rubber edge
Tweeter:1" F 20 Silk Dome
Impedance: 4W 15%
Buzzes & Rattles: must be normal
Resonant Frequency: 60Hz 20%
Across frequency: 2200Hz
Rated noise power: 20W
Rated long-term Max. Power: 40W
Load test: after test, meet item 2.&3.
Distortion: 5% MAX
Frequency response: 60Hz~20KHz
Sensitivity: Mean value at 85 3dB 200. 400. 600. 800.2k. 4k. 6k. 8k Hz average At 1W on axis calculated from 1m/2. 0V measurement
Weight: 1.15Kg 10 gr
Dimensions: 228 x 85(H)mm
Installation hole size: 195mm



2 Way Wall Mount Speaker
Woofers: 6 1/2" Glassfiber cone W/Rubber edge
Tweeter:1" F 25 TIT Dome
Impedance: 6W 15%
Buzzes & Rattles: must be normal
Resonant Frequency: 60Hz 20%
Across frequency: 2000Hz
Rated noise power: 20W
Rated long-term Max. Power: 40W
Load test: after test, meet item 2.&3.
Distortion: 5% MAX
Frequency response: 60Hz~20KHz
Sensitivity: Mean value at 88 3dB 200. 400. 600. 800.2k. 4k. 6k.8k Hz average At 1W on axis calculated from 1m/2. 45V measurement
Weight: 1.165Kg 10 gr
Dimensions: 238 x 132(H)mm
Installation hole size: 208mm

WM100C 8" 3-way system

3 Way Wall Mount Speaker
Woofers: 8" Glassfiber cone W/Rubber edge
Midrange: 2" Glassfiber cone W/Rubber edge
Tweeter:1" F 25 TIT Dome
Impedance: 8W 15%
Buzzes & Rattles: must be normal
Resonant Frequency: 50Hz 20%
Sensitivity: Mean value at 88 3dB 200. 400. 600. 800.2k. 4k. 6k. 8k Hz average At 1W on axis calculated from 1m/2. 83V measurement
Across frequency: 2500Hz, 8500Hz
Frequency response: 50Hz~20KHz
Rated noise power: 30W
Rated long-term Max. Power: 60W
Load test: after test, meet item 2.&3.
Distortion: 5% MAX
Weight: 2.5Kg 10 gr
Dimensions: 295x160(H)mm
Installation hole size: 258mm



Digital H.O.M.E. System Entertainment

Cambridge Speaker

A2-20 Monitor Speaker



Type: 2 way Studio Reference Monitors
LF Driver: 8-inch
HF Driver: 1-inch
Frequency Response: 37Hz~30KHz
Crossover Frequency: 2KHz
S/N Ratio: >100dB,20KHz
Speaker terminal: Binding post,Red is "+", Black is "-"
Polarity: Positive signal at + input produces outward LF cone displacement
Input sensitivity: 89dB 2dB
Dimension: 380x251x290mm

PS2-20 Active Monitor Speaker



Type: 2 WAY Active Studio Reference Monitors
LF Driver: 8-inch
HF Driver: 1-inch
Frequency Response: 37Hz~20KHz
Crossover Frequency: 1.8KHzLF
LF Amplifier Power: 37W
HF Amplifier Power: 28W
S/N Ratio: >100dB,20KHz
Input Connectors: 1x XLR balanced input connector
1x TRS balanced/unbalanced input connector
Polarity: Positive signal at + input produces outward LF cone displacement
Input Impedance: 20K ohm, 10K Ohm unbalanced
Input sensitivity: 85mV/pink noise input produces 90dBA output SPL at one meter
with volume control at maximum

Protection: RF interference,output current limiting, over temperature,
turn on/off transient, subsonic filter, external main fuse
Dimension: 380x251x290mm



IEEE USA
WELTRONICS CORP. USA
e-mail: ieeeus@ieeeg.com

IEEE TAIWAN
WELTRONIC CORP. (TAIWAN)
e-mail: ieeetw@ieeeg.com

IEEE U.K.
CAMPUS INT'L LTD
e-mail: ieeeuk@ieeeg.com

IEEE CHINA
WELTRONICS (SHENZHEN) CORP.
e-mail: ieeecn@ieeeg.com

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